Data Sheet

We make sure

FUJITSU COMPUTERS SIEMENS

AMILO Notebook Pi 3540
The perfect all-round notebook

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The AMILO Notebook P series combines versatile performance, great technology and a fascinating design.

Processor technology
- Latest Intel® Centrino® 2 processor technology (optional) and Intel® Core™ 2 Duo processor for high-definition digital entertainment experience, blistering performance, longer-lasting battery life and the new wireless standard for connectivity

Operating System
- Windows Vista® Home Premium

Reliability
- Spill-proof keyboard to protect your notebook form accidentally spilt liquids
  - Enough time to shut down the notebook
  - Have the liquid removed from the notebook
  - Protects your investment and your data
- Engineered in Germany means the test center in Germany tests conformity to international standards and customer-specific requirements
- A+ grade LCD panels for better picture quality

Mobility
- Standard 15.4-inch form-factor that fits in almost every bag
- Integrated draft-n Wireless LAN to go online when and wherever you want

Entertainment and multimedia
- The integrated AMILOcam with low-light technology for great video-quality even in low-light conditions and the built-in digital array microphone are perfect for Internet telephoning (VoIP) and video chats
- LCD WXGA display with BrilliantView technology for vivid colors, amazing sharpness and impressive contrast
- Enjoy your favorite Hollywood blockbuster on an external display via HDMI (with HDCP support)
- Great graphics performance with the NVIDIA® GeForce® 9300M GS graphic card with 256 MB dedicated video memory

More convenience thanks to
- The silent mode function that causes a noticable reduction in fan noise
- The built-in DVD drive to store and secure data comfortably on the move

Fujitsu Siemens Computers recommends Windows Vista® Home Premium

Operating system and Recovery	
Operating system	Genuine Windows Vista® Home Premium (32-bit version)
Fujitsu Siemens Computers Recovery Program	Backup and restore the original status of the hard disk and create system restore disks or individual recovery media on CD or DVD are included
Architecture	
System architecture	Intel® Centrino® 2 processor technology (optional)
Chipset	Intel® PM45 + ICH9M
Processors[1]	
Intel® Core™2 Duo processor	P7350 (2.0 GHz, 1066MHz FSB, 3MB L2 cache) P8400 (2.26 GHz, 1066MHz FSB, 3MB L2 cache) P8600 (2.4 GHz, 1066MHz FSB, 3MB L2 cache)
Memory	2 SO-DIMM memory slots (no memory on board)
Memory speed	800 MHz
Memory type	DDR 2 RAM
Memory modules	1024 or 2048 MB
Max. memory size[1, 2]	4096 MB
Drives	
Hard disk drive	
HDD type	SATA
HDD size	2.5-inch
HDD speed	5400 rpm
HDD cache	8 MB
HDD capacity[1]	160, 250 or 320 GB
Optical disc drive (built-in)	
ODD type	SATA
ODD technology	SuperMulti-format DVD burner with double layer (DL) support
ODD read speed	CD-ROM 24x, DVD-ROM 8x
ODD write speed	CD-R 24x, CD-RW 16x, DVD+R 8x, DVD-R 8x, DVD+RW 8x, DVD-RW 6x, DVD+R DL (8.5 GB) 4x, DVD-R DL (8.5 GB) 4x, DVD-RAM 5x
Option[1]**:**	
ODD technology	Built-in Blu-ray Disc™ drive incl. SuperMulti-format DVD burner with double layer (DL) support
ODD read speed	BD 2x, CD-ROM 24x, DVD-ROM 8x
ODD write speed	CD-R 16x, CD-RW 10x, DVD+R 8x, DVD+RW 4x, DVD-R 8x, DVD-RW 4x, DVD+R DL (8.5 GB) 4x, DVD-R DL (8.5 GB) 4x, DVD RAM 5x
Display	
Display type	BrilliantView LCD
Display size	15.4-inch
Display resolution (intern)	1280 x 800 pixels
Display resolution (extern)	1920 x 1080 pixels
Resolution type	WXGA
Reaction time	16 ms
Brightness (white luminance, typ.)	200 cd/m^2
Contrast (typ.)	400 : 1
Compliance with standards	ISO 13406-2 class II
Graphics	
Dedicated graphics (full name)	NVIDIA® GeForce® 9300M GS
Dedicated video memory	256 MB GDDR3
Shared video memory[3]	Up to 1279 MB shared memory[3]
3D Benchmark 2006	Up to 1900 points[4]
Graphic features	■ NVIDIA® PureVideo® technology for - Ultra-smooth video playback - Superb picture clarity and - Precise, vivid colors on any display ■ DirectX® 10 support

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Interfaces	
Video	1x HDMI (1.3b, incl. HDCP), 1x VGA
Audio	1x line in, 1x microphone in, 1x line out / headphone out combined with S/PDIF out
Network	1x LAN (RJ-45)
Wireless	1x WLAN
Data	1x eSATA combined with USB, 2x USB 2.0 1x ExpressCard slot (54 / 34 mm) 1x 15-in-1 card reader[5] SD, miniSD, MicroSD, SDHC MS, MS-Duo MMC, RS-MMC, MMC-Micro MSPRO, MS-PRO Duo, MS-Pro HG, MS-Pro HG Duo M2 xD picture card
Power supply	1x DC-in
Communication	
LAN (Local Area Network)	10 / 100 Mbps
Built-in WLAN (Wireless Local Area Network)	Yes
WLAN brand name	Intel® WiFi Link 5100 AGN
WLAN type	draft-n 802.11a/g/n
WLAN max. date rate	Up to 300 Mbps
WLAN encryption	WEP, WPA and WPA2
For use in	BE, CH, DK, DE, EE, FI, FR, EL, IE, IS, IT, LI, LV, LT, LU, MT, NL, NO, PL, AT, PT, SE, SK, ES, CZ, HU, UK, CY
Option[1]:	
WLAN type	802.11b/g/n
WLAN max. date rate	Up to 300 Mbps
WLAN encryption	WEP, WPA and WPA2
For use in	BE, CH, DK, DE, EE, FI, FR, EL, IE, IS, IT, LI, LV, LT, LU, MT, NL, NO, PL, AT, PT, SE, SK, ES, CZ, HU, UK, CY
Multimedia	
Audio	Support of HD audio for S/PDIF output with up to 7.1 channels
Audio chip	Realtek ALC888
Speakers	2x built-in speakers (1.5 W each)
Microphone	Built-in digital array microphone
Subwoofer	-
Input device	Sound volume control via function key
AMILOcam	
Image sensor	VGA webcam
Frames per second	30[6]
Features	■ Auto focus ■ Automatic brightness adjustment with status LED (blue: on, red: streaming / application on) ■ Low-light technology for great video-quality even in dark surrounding
Input devices / Control buttons	
Power button	Located left of the keyboard
Keyboard	Spill-proof keyboard with 85 keys
Touchpad	Hidden touchpad, with left and right mouse button, touchpad disable function via function key combination (Fn+F6)
Multimedia keys	Located on top of the keyboard to launch the following applications: ■ Silent mode (reduce noise level / fan speed, by reducing the CPU performance, office applications, Internet and DVD playback are not affected) ■ DVD playback ■ Internet browser

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Hot keys	The following hot keys or key combinations are available ■ Fn+F1 WLAN on / off ■ Fn+F3 Mute on / off ■ Fn+F4 Volume down ■ Fn+F5 Volume up ■ Fn+F6 Touchpad on / off ■ Fn+F7 AMILOcam on / off ■ Fn+F8 Brightness down ■ Fn+F9 Brightness up ■ Fn+F10 Display switch ■ Fn+F11 Silent mode ■ Fn+F12 Suspend
Status indicators	The notebook has 3 status icons: ■ Power status (& suspend) Blue (always on): on; Blue blinking: stand by, None: off ■ WLAN Blue: on; None: off ■ Battery charge Blue (always on): full, Blue blinking: charging; Red blinking: < 10 % capacity
Security	
Supervisor and user password	Yes
Kensington lock	Yes
Lid switch (hidden)	Yes
ACPI functions	ACPI 3.0 compliant for Vista requirement ■ S1 LCD off ■ S3 save to RAM ■ S4 save to disk ■ S5 soft off
Power System	
Battery[7]	
Battery type[1]	Lithium-Ion battery 6 cells, 11.1 V / 2200 mAh (cell) / 4400 mAh (pack)
Battery runtime [8]	Up to 2:20 hours
Battery runtime (DVD playback)[9]	Up to 1:20 hours
Battery charging time (idle mode)[10]	Up to 1:35 hours
Battery charging time (maximum active mode)[11]	No charging
Battery charging time (normal use)[12]	Up to 1:35 hours
Battery charging time (off mode)	Up to 2 hours
AC Adapter	Dynamic charge supported, ACPI 3.0 supported
Wide Range AC adapter	110 - 240 V AC, 50 - 60 Hz
Output	90 W with 20 V DC, 4.5 A
Energy consumption	
S0 (idle mode)	24 W
S0 (max. active mode)[13]	60 W
S3 (stand by / energy saving mode)	1.5 W
S4 (hibernate)	0.8 W
S5 (off mode)	0.8 W
Noise emission	
Idle mode[14]	23 dBA (silent mode off)
Maximum active mode[15]	30 dBA (silent mode off)
Operating conditions	
Operational	5 °C to 35 °C (ambient temperature) 10 % to 90 % relative humidity, non-condensing
AC input	100 - 240 V, 50 - 60 Hz
Dimensions and weight	
W x D x H	358 x 256 x 37.0 (front) / 41.0 (back) mm
Weight	3.2 kg[16]

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Certifications	GOST (WLAN) CE Marking R&TTE (WLAN)
Warranty	Country specific terms
Operational Software	
Home office	Microsoft® Works Microsoft® Office Home and Student Trial Adobe Reader Windows Mail (within Vista operating system) Windows Calendar (within Vista operating system)
Multimedia	Nero Essentials S (CD / DVD write software) Vista DVD Playback Pack (DVD playback software) Windows Media Player (within Vista operating system Windows Media Center (within Windows Vista® Home Premium operating system) Optional[1]: CyberLink Power DVD (playback software for Blu-ray Disc™, only with Blu-ray Disc™ drive)
Internet	Microsoft® Internet Explorer Country specific Internet provider
Security	Norman security software solution
Accessories	
Included	AC adapter 90 W First Battery 6 cells
Manuals	Manual (on hard disk), quick start guide, safety guide, warranty guide, recovery guide
Drivers	Updates downloadable at http://www.fujitsu-siemens.com

[1] Depending on exact configuration. Please check at your local retailer
[2] DISCLAIMER: Up to 1 GB may not be available with 32-bit operating systems due to system resource requirements if system is preinstalled with 4096 MB RAM
[3] Shared video memory size may vary depending on configuration and the version of the operating system. The video memory size that is displayed in the system information software, as well as the actually used video memory size depends on Microsoft® Windows Vista® memory management. The following values might serve as orientation
- 1024 MB system memory enables up to 511 MB total video memory (dedicated plus shared memory)
- 2048 MB system memory enables up to 1023 MB total video memory (dedicated plus shared memory)
- 3072 MB system memory enables up to 1535 MB total video memory (dedicated plus shared memory)
- 4096 MB system memory enables up to 1535 MB total video memory (dedicated plus shared memory)
[4] Depending on display resolution
[5] An adapter is needed for the following card formats: RS-MMC, MMC-Micro, miniSD, MicroSD, SDHC, MS-Duo, MS-PRO Duo, MS-Pro HG, MS-Pro HG Duo, M2
[6] AMILOcam frame rate can vary significantly depending on the used software application
[7] DISCLAIMER: Battery life may vary depending on product model, configuration, applications, power management settings and features utilized. Recharge time varies depending on usage. The recharge capacity may decrease after some months so that the battery lifetime as well as operating time can not be assured for the whole lifetime of the notebook
[8] Tested with Battery Mark 4.0.1
[9] DVD playback tested with Vista DVD playback
[10] Tested with Battermon
[11] Tested with 3DMark 2003
[12] DVD playback tested with Vista DVD playback
[13] Tested with 3DMark 2006
[14] Tested with idle mode (according to ISO 7779:2001 Nr. C.15.3.1) noise emission values according to ISO 9296 at operator position
[15] Tested with HDD stress test and CPU stress text at approx. 90 % CPU load, no ODD load, noise emission values according to ISO 9296 at operator position
[16] Weight may vary depending on actual configuration

The configuration described in this document is generic only and non-binding. For the exact configuration of your AMILO, please contact your licensed dealer.

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